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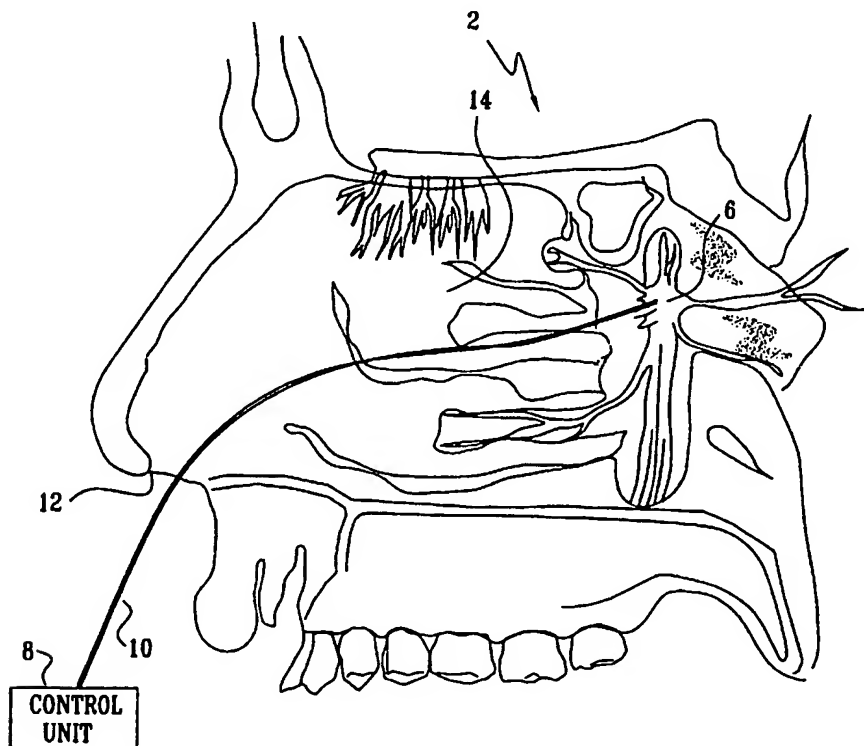
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(54) Titre : METHODE ET APPAREIL PERMETTANT DE STIMULER LE GANGLION SPHENO-PALATIN AFIN DE
MODIFIER LES PROPRIETES DE LA BARRIERE HEMATO-ENCEPHALIQUE ET DU DEBIT SANGUIN CEREBRAL
(54) Title: METHOD AND APPARATUS FOR STIMULATING THE SPHENOPALATINE GANGLION TO MODIFY
PROPERTIES OF THE BBB AND CEREBRAL BLOOD FLOW



(57) Abrégé/Abstract:

Apparatus for modifying a property of a brain of a patient is provided, including one or more electrodes (7), adapted to be applied to a site selected from a group of sites consisting of: a sphenopalatine ganglion (SPG) (6) of the patient and a neural tract originating in or leading to the SPG. A control unit (8) is adapted to drive the one or more electrodes to apply a current to the site capable of inducing (a) an increase in permeability of a blood-brain barrier (BBB) of the patient, (b) a change in cerebral blood flow of the patient, and/or (c) an inhibition of parasympathetic activity of the SPG.

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